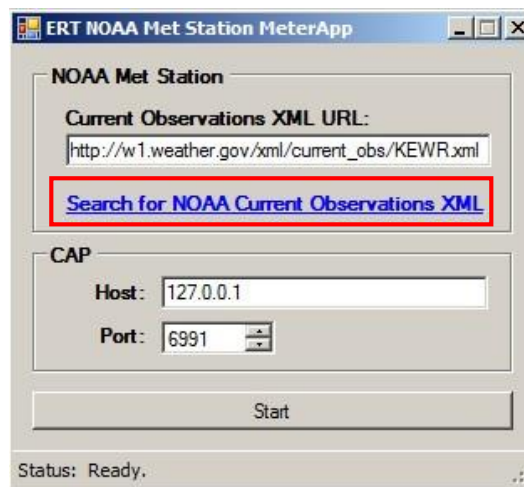# NOAA MeterApp User Guide

Description:

Using the ERT NOAA Met Station Meter App, you can capture and display observed current weather conditions provided by the NOAA National Weather Service for about 1,800 locations across the United States and US Territories. These weather conditions are updated on an hourly basis. NOAA Weather Service data is added to a Survey Controller Run using the ERT NOAA Met Station Meter App. In the Meter App, you search the NOAA website for the nearest City and copy and paste the link for that City's XML data to the Meter App. Then the Meter App is added to a Run in Survey Controller similar to adding an instrument.

The ERT NOAA Met Station Meter App needs to be downloaded from www.epaosc.org/viper and installed on the computer running Survey Controller.

Step 1: Configuring the NOAA Meter App:

- Run the NOAA NWS Meter App

- Keep the default settings in the CAP section of the Meter App. Host should be 127.0.0.1 and Port should be 6991

- Click the "**Search for NOAA Current Observation XML**" link to launch the NOAA Website

- When the NOAA Website launches, **select a State** from the drop down list and click **Find**

- When the list of Cities is displayed, click the **XML** button next to the nearest City to the deployment
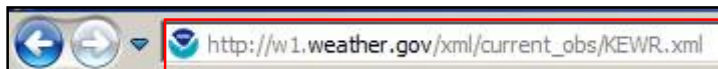
- When the NOAA latest observation web page is displayed, **copy and paste the URL from the browser to the ERT NOAA Meter App**

`http://w1.weather.gov/xml/current_obs/KEWR.xml`

- Don't click Start until Survey Controller is up and running

Step 2: Adding the NOAA Meter App to a Survey Controller Run:

- Launch Survey Controller (if it is not already running)

- Switch back to the **NOAA Meter App** and Click **Start**

- Start a Run in Survey Controller

- At the **LINC Setup Window**, click **Add** (the NOAA Meter App is added along with Viper equipment)

- Click the **Radio Button** for **Generic CAP Stream**
  - If the Generic CAP Stream radio button is not available
    - From the **RUN** menu in Survey Controller, Select **Preferences**
    - Check "**Allow Generic Cap**"

- In the Cap Stream Source box, **highlight the NOAA NWS Station** line and click **OK**

- Finish configuring the Run. When you start recording data, the NOAA NWS weather data will be displayed along with the instrument data.